

IN THE CLAIMS:

Please cancel Claims 1 and 5,

Please replace the claims with the attached amended claims.

Please add new Claims 10 and 11.

REMARKS

In the Office Action, dated July 27, 2004, the Examiner states that Claims 1-9 are pending, Claims 1, 5 and 9 are rejected and Claims 2-4 and 6-8 are objected to. By the present Amendment, Applicant amends the specification and the claims.

In the Office Action, the specification is objected to for several informalities. The Applicant has amended the specification as the Examiner has suggested.

In the Office Action, Claim 1 is rejected under 35 U.S.C. §112, second paragraph as being indefinite as to the limitations "the front carriage" in line 27 (page 1) and "the rear carriage" in line (page 2), of the originally filed claims. The Applicant respectfully disagrees with these rejections. The recited limitations are actually "the front carriage position" and "the rear carriage position", and antecedent basis for these limitations is given at line 15 of the originally filed Claim 1.

The Applicant thanks the Examiner for finding that Claims 2-4 and 6-8 contain allowable subject matter. The Applicant has amended Claims 2, 6 and 8 to place those claims in independent form. Claims 1 and 5 have been cancelled. New Claims 10 and 11 have been introduced, which are the same as original Claim 9, but depend on Claims 6 and 8. In view of these amendments the Applicant considers all the rejections to the claims overcome.

In light of the foregoing response, all the outstanding objections and rejections have been overcome. Applicant respectfully submits that this

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application should now be in better condition for allowance and respectfully requests favorable consideration.

Respectfully submitted,

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October 26, 2004

Date

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OCT 26 2004

DOCKET: CU-3314

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Chuen-Jong Tseng.)
 SERIAL NO: 10/630,140) Group Art Unit: 3636
 FILED: July 30, 2003)
 TITLE: RECLINING CHAIR WITH EXTENDIBLE LEG REST

AMENDED CLAIMS

1. (cancelled)
 2. (currently amended) ~~The reclining chair as claimed in Claim 1, A reclining chair comprising:~~

a base frame;
a pivot link having a lower pivot end connected pivotally to said base frame, and an upper pivot end;
a back frame having a lower end;
a carriage having front and rear ends;
a linkage mechanism for coupling pivotally said lower end of said back frame to said rear end of said carriage and said upper pivot end of said pivot link, thereby permitting movement of said back frame from an upright position to a tilted position relative to said carriage in response to pressure applied on said back frame and thereby permitting movement of said carriage between front and rear carriage positions relative to said base frame;
a leg rest assembly connected pivotally to said front end of said carriage and said base frame and driven by said carriage to move from a retracted position to an extended position during movement of said carriage from the front carriage position to the rear carriage position; and
stop means provided on said linkage mechanism and said rear end of said carriage for positioning said back frame at the tilted position;
wherein, when said back frame is at the tilted position, movement of said carriage from the front carriage position to the rear carriage position due to an external applied force results in movement of said leg rest assembly from the

retracted position to the extended position and simultaneously results in rearward pivoting movement of said back frame, said linkage mechanism, said carriage and said pivot link relative to said base frame;

wherein said linkage mechanism includes:

a first link member mounted on said lower end of said back frame and having a first pivot end connected pivotally to said rear end of said carriage, and a second pivot end disposed rearwardly and below said first pivot end;

a second link member having a rear pivot end connected pivotally to said second pivot end of said first link member, and a front pivot end; and

a third link member having a front end connected pivotally to said carriage, a rear end connected pivotally to said front pivot end of said second link member, and an intermediate portion connected pivotally to said upper pivot end of said pivot link.

3. (original) The reclining chair as claimed in Claim 2, wherein said rear end of said carriage has a coupling plate mounted thereon, said first pivot end of said first link member being mounted pivotally on said coupling plate, said stop means including a stop projection formed on said coupling plate, and a stop flange extending from said first pivot end of said first link member and abutting against said stop projection when said back frame is at the tilted position.

4. (original) The reclining chair as claimed in Claim 2, further comprising an extension spring having opposite ends connected to said first and second link members, respectively.

5. (cancelled)

6. (currently amended) ~~The reclining chair as claimed in Claim 5,~~

A reclining chair comprising:

a base frame;

a pivot link having a lower pivot end connected pivotally to said base frame, and an upper pivot end;

a back frame having a lower end;

a carriage having front and rear ends;

a linkage mechanism for coupling pivotally said lower end of said back frame to said rear end of said carriage and said upper pivot end of said pivot link, thereby permitting movement of said back frame from an upright position to a tilted position relative to said carriage in response to pressure applied on said back frame and thereby permitting movement of said carriage between front and rear carriage

positions relative to said base frame;

a leg rest assembly connected pivotally to said front end of said carriage and said base frame and driven by said carriage to move from a retracted position to an extended position during movement of said carriage from the front carriage position to the rear carriage position; and

stop means provided on said linkage mechanism and said rear end of said carriage for positioning said back frame at the tilted position;

wherein, when said back frame is at the tilted position, movement of said carriage from the front carriage position to the rear carriage position due to an external applied force results in movement of said leg rest assembly from the retracted position to the extended position and simultaneously results in rearward pivoting movement of said back frame, said linkage mechanism, said carriage and said pivot link relative to said base frame;

wherein said leg rest assembly includes:

a leg rest member;

a swing link having a front swing end connected pivotally to said front end of said carriage, and a rear swing end connected pivotally to said base frame; and

a pantograph linkage device having a front coupling end connected to said leg rest member, and a rear coupling end connected pivotally to said front and rear swing ends of said swing link and said base frame;

further comprising second stop means provided on said swing link and said base frame for positioning said leg rest assembly at the extended position.

7. (original) The reclining chair as claimed in Claim 6, wherein said second stop means includes a stop projection formed on said base frame, and a stop flange extending from said rear swing end of said swing link and abutting against said stop projection when said leg rest assembly is at the extended position.

8. (currently amended) The reclining chair as claimed in Claim 5,

A reclining chair comprising:

a base frame;

a pivot link having a lower pivot end connected pivotally to said base frame, and an upper pivot end;

a back frame having a lower end;

a carriage having front and rear ends;

a linkage mechanism for coupling pivotally said lower end of said back frame to

said rear end of said carriage and said upper pivot end of said pivot link, thereby permitting movement of said back frame from an upright position to a tilted position relative to said carriage in response to pressure applied on said back frame and thereby permitting movement of said carriage between front and rear carriage positions relative to said base frame;

a leg rest assembly connected pivotally to said front end of said carriage and said base frame and driven by said carriage to move from a retracted position to an extended position during movement of said carriage from the front carriage position to the rear carriage position; and

stop means provided on said linkage mechanism and said rear end of said carriage for positioning said back frame at the tilted position;

wherein, when said back frame is at the tilted position, movement of said carriage from the front carriage position to the rear carriage position due to an external applied force results in movement of said leg rest assembly from the retracted position to the extended position and simultaneously results in rearward pivoting movement of said back frame, said linkage mechanism, said carriage and said pivot link relative to said base frame;

wherein said leg rest assembly includes:

a leg rest member;

a swing link having a front swing end connected pivotally to said front end of said carriage, and a rear swing end connected pivotally to said base frame; and

a pantograph linkage device having a front coupling end connected to said leg rest member, and a rear coupling end connected pivotally to said front and rear swing ends of said swing link and said base frame;

wherein said pantograph linkage device includes an extension spring for providing an assist force to assist in movement of said leg rest assembly from the extended position back to the retracted position.

9. (currently amended) The reclining chair as claimed in Claim 1 Claim 2, further comprising a pair of arm rest frames mounted respectively on opposite lateral sides of said base frame.

10. (new) The reclining chair as claimed in Claim 6, further comprising a pair of armrest frames mounted respectively on opposite lateral sides of said base frame.

11. (new) The reclining chair as claimed in Claim 8, further comprising a pair of arm rest frames mounted respectively on opposite lateral sides of said base frame.

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SERIAL NO: 10/630,140) Group Art Unit: 3636
FILED: July 30, 2003)
TITLE: RECLINING CHAIR WITH EXTENDIBLE LEG REST) Examiner: Stephen D'Adamo

AMENDED SPECIFICATION PARAGRAPHS

Please replace the paragraph, starting at line 20, on page 5 with the following amended paragraph:

In this embodiment, each of the linkage mechanisms 4 includes first, second and third link members 41, 42, 43. The first link member 41 is mounted on a respective lateral side of the lower end of the back frame 6, and has a first pivot end 411 connected pivotally to the rear end of a respective lateral side of the carriage frame 51, and a second pivot end 412 disposed rearwardly and below the first pivot end 411. The second link member 42 has a rear pivot end 421 connected pivotally to the second pivot end 412 of the first link member 41, and a front pivot end 422. The third link member 43 is generally triangular in shape, and has a front end 431 connected pivotally to a respective lateral side of the carriage frame 51, a rear end 432 connected pivotally to the front pivot end 422 of the second link member 42, and an intermediate portion 433 between the front and rear ends 431, 432 and connected pivotally to the upper pivot end 232 of the respective pivot link 23.

Please replace the paragraph, starting at line 16, on page 7 with the following amended paragraph:

In this embodiment, the leg rest assembly 7 includes a leg rest member 70, a pair of swing links 71, and a pair of pantograph linkage devices 72. Each of the swing links 71 has a front swing end 710 and 711 connected pivotally to the front end of the carriage 5 at a respective lateral side of the carriage frame 51, and a rear swing end 711 and 712 connected pivotally to the front end of the support arm 22 on a respective one of the upright frame members 21 of the base frame 2. Each of the pantograph linkage devices 72 is conventional in construction, and has a front

coupling end 721 connected to the leg rest member 70, and a rear coupling end 722 connected pivotally to the front and rear swing ends 711, 712 of the respective swing link 71 and to the front end of the support arm 22 on one of the upright frame members 21 of the base frame 2.